What is claimed is:

- 1. An injection mold comprising:
- a fixed mold having a passage for introducing a fluid therethrough and an internal space;
 - a movable mold detachably attached to the fixed mold and forming a molding space together with the internal space of the fixed mold; and
 - a flow accelerating means provided on an inner wall of the molding space and accelerating flow of the fluid.

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2. The mold of claim 1, wherein the flow accelerating means is a solid coating material for increasing insulation of the fluid and reducing a flow resistance of the fluid.

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- 3. The mold of claim 2, wherein the solid coating material is a polymer coating material.
- 4. The mold of claim 3, wherein the polymer used for the polymer coating material is PEEK (Poly Ether Ether Ketone).

- 5. The mold of claim 3, wherein the polymer coating material is one of PTFE (Polytetrafluorothylene), PE (Polyethylene) and methacrylates.
- 6. The mold of claim 2, wherein the solid coating material is a ceramic coating material.

- 7. The mold of claim 6, wherein the ceramic coating material is one of aluminum oxide and zirconium oxide.
- 8. The mold of claim 2, wherein the solid coating material is a solid bubicant.
 - 9. The mold of claim 8, wherein the solid lubricant is one of graphite, molybdenum and disulfide.
- 10. The mold of claim 2, wherein the solid coating material is a solid metal.
 - 11. The mold of claim 10, wherein the solid metal is one of lead, indium, cadmium, tin and silver.

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- 12. A molding system comprising:
- a cylinder having an inlet and an outlet;
- a screw installed inside the cylinder and making a mold material and a mixture including a plastic introduced into the inlet of the cylinder flow toward the outlet;
- a heater for heating the mold material and mixture introduced in the cylinder;
- a fixed mold having a certain space therein and connected to the outlet of the cylinder;
- a movable mold detachably coupled to the fixed mold and forming a

molding space together with the internal space of the fixed mold; and

a flow accelerating means provided on an inner wall of the molding space and accelerating flow of a fluid.

- 13. The system of claim 12, wherein a foaming agent supplier is provided at the side of the inlet of the cylinder to supply a foaming agent into the cylinder.
- 14. The system of claim 12, wherein a gas supplier is provided at the side of the inlet of the cylinder to supply a gas into the cylinder.
 - 15. The system of claim 12, wherein the flow accelerating means is a solid coating material for increasing insulation of the fluid and reducing a flow resistance of the fluid.

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16. A molding method comprising:

coating a coating material for accelerating flow of a fluid on an inner wall of a molding space formed in an injection mold;

mixing a mold material and a foaming agent(or a gas) and heating the mixture to above a pre-set temperature; and

injecting the molten mixture into the molding space of the injection mold.

17. The method of claim 16, wherein the solid coating material is a polymer coating material.

18. The method of claim 17, wherein the polymer coating material is one of PEEK(Poly Ether Ether Ketone), PTFE (Polytetrafluorothylene), PE (Polyethylene) and methacrylates.

19. A molded product comprising:

a surface layer formed as a glossy surface at the overall external surface and having a non-foam layer with a prescribed thickness starting from the glossy surface into the interior; and

a deep layer having a plurality of fine foams under the surface layer.

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- 20. The product of claim 19, wherein the surface layer accounts for less than 50 % of the overall volume formed by the external surface.
- 21. The product of claim 19, wherein a thickness of the surface layer is 0.01mm ~ 10mm.
 - The product of claim 19, wherein a diameter of the foam is $0.1 \mu m$ ~ $1000 \mu m$.